



## THE RERTR-2006 INTERNATIONAL MEETING ON REDUCED ENRICHMENT FOR RESEARCH AND TEST REACTORS OCTOBER 29 – NOVEMBER 2, 2006

### Announcement and Call for Papers

The U.S. Department of Energy / National Nuclear Security Administration's Office of Global Threat Reduction is hosting the "RERTR-2006 International Meeting on Reduced Enrichment for Research and Test Reactors." The conference is being jointly organized by the South African Nuclear Energy Corporation (NECSA) and Argonne National Laboratory and will be held in Cape Town, Republic of South Africa from October 29 – November 2, 2006. This will be the 28<sup>th</sup> annual meeting in a series on the same general subject regarding the Reduced Enrichment for Research and Test Reactors (RERTR) program.

Information will be exchanged on the progress of national and international programs to develop low-enriched uranium (LEU) fuels and targets for research and test reactors and to convert research reactors and radio-isotope production processes to the use of such fuels and targets. The meeting will be held in English and will be open to those who share such interests, but the organizers reserve the right to limit the attendance. Technical and policy experts interested in attending the conference may register by completing the attached forms.

The main objective of this series of meetings is the core conversion of research reactors from highly enriched uranium (HEU) to LEU fuels. Fuel element manufacturers and national laboratories have developed fuel types suitable for LEU utilization in most of the world's research reactors. Many reactors are already fully converted and new LEU fuels are under development and scheduled for qualification. The meeting technical subjects will include development of new LEU fuels, development and testing of LEU targets and processes for the production of Mo-99, design and safety analyses for reactor conversions, and transportation and storage of spent fuels.

Participants interested in such technical topics are encouraged to present a paper at the meeting. Please indicate an intention to submit a paper by completing the attached Abstract Submittal form and send the completed form with an abstract of the paper, as soon as possible, but not later than **September 15, 2006**, to Linda Legerski, whose address is enclosed at the end of this announcement. The presentation of each paper will be limited to 20 minutes. All papers will be distributed at the meeting and will afterwards be published on the RERTR web site ([www.rertr.anl.gov](http://www.rertr.anl.gov)).

#### Topics to be covered during the meeting are:

*Progress reports of national programs*  
*Fuel development*  
*Fuel testing and evaluation*  
*Measurements and calculations for converted reactors*  
*Safety tests and evaluations*

*Core conversion studies*  
*Production of fission Mo-99 from LEU*  
*Licensing requirements*  
*HEU and LEU fuel cycle*  
*Spent fuel transportation and storage*  
*Utilization of converted (LEU) reactors*

The meeting will be held at the Southern Sun Cape Sun which is the official hotel for the RERTR-2006 Meeting. The rate of a single room is 950 Rand (approximately \$160.00 USD) per night plus tax. There will be an additional charge for a second person per day of 200 Rand (approximately \$35.00 USD.) Room reservations are to be made directly by the participants by faxing the completed Hotel Registration Form (Attachment 7) to the Southern Sun Cape Sun at +27 (21) 426 1660. Hotel registration inquiries can be made by phoning Roshaan Hartley at +27 (21) 488 5100 or by email to [roshaanh@southernsun.com](mailto:roshaanh@southernsun.com).

**It is essential that hotel reservations be made as soon as possible because a limited number of rooms have been blocked at the Southern Sun Cape Sun at the group rate.**

Additional hotels in the vicinity (walking distance) of the Southern Sun Cape Sun conference hotel may also be available. Their rates for a single room are shown, and the hotels can be reached at:

Park Inn Hotel	565 Rand (~ \$95.00 USD)	+27(0)21-423 2050
St. Georges Hotel	750 Rand (~ \$125.00 USD)	+27(0)21-419 0808
Cape Town Ritz Hotel	458 Rand (~ \$80.00 USD)	+27(0)21-439 6010

A technical tour of the SAFARI-1 reactor and possibly other Necsa facilities is planned for Friday, November 3, 2006 at its site in Pelindaba, which is located a short distance from Johannesburg. Most international travel to the Republic of South Africa is through Johannesburg, and the majority of flights for those returning home will depart the country in the evening. If you would like to participate in the technical tour, please arrange your transfer to arrive at the Johannesburg airport from Cape Town so that the tour can start from Johannesburg by ~10:00 a.m. Friday morning for a chartered bus ride to Necsa at Pelindaba. Lunch and other refreshments will be provided at Necsa. Following the tour, you will be returned to the Johannesburg airport in time for your evening flight (~ 17:30).

All participants of the meeting must register. A registration fee of **US\$300.00** (**US\$350 after 28 September, 2006**) will be charged to cover the conference expenses and a contribution for food and transportation provided during the meeting. This fee can be paid either by credit card or check at the time of registration or by check or cash immediately before the beginning of the meeting. All registration fee payments must be in US dollars. If paying by check, please make the check payable to "Argonne National Laboratory" and send it to Linda Legerski with the Registration Fees and Payment Form. Registration fees will be refunded if attendance is canceled by October 7, 2006.

Attachments:

- (1) Instructions for Forms and Deadlines
- (2) Abstract Submittal Form
- (3) Registration Fees and Payment Form
- (4) Instructions for Authors
- (5) Instructions for Typists
- (6) Publication Release (A completed form **must** be submitted with each paper for publication.)
- (7) Hotel Registration Form

Meeting Co-chairmen:

Dr. Jordi Roglans-Ribas  
Technical Director, RERTR Program  
Argonne National Laboratory  
9700 South Cass Avenue, Building 208  
Argonne, Illinois 60439-4815  
Phone: +1 (630) 252-3283  
Fax Number: +1 (630) 252-5161

Dr. Charles S. B. Piani  
Senior Manager, SAFARI-1 Research Reactor  
P.O. Box 582  
Pretoria 0001, South Africa  
Phone: +27(12) 305-5260  
Fax Number: +27(12) 305-5956

Meeting Organizer:

Linda Legerski  
Administrative Secretary, RERTR Program  
Argonne National Laboratory  
9700 South Cass Avenue, Building 208  
Argonne, Illinois 60439-4815  
Phone Number: +1 (630) 252-4836  
Fax Number: +1 (630) 252-5161  
e-mail: [rertr@anl.gov](mailto:rertr@anl.gov);